

Course Outline 2022/23
Math 10-3, 20-3, 30-3
Michelle Dunwoody
Provost Public School

Phone 780-753-6824

Website: <https://sites.google.com/btps.ca/msdunwoodysmathclass/home>

Online Planbook: <https://planbook.com/planbook.html?t=916381&k=panthers&v=D&y=1972290>

E-mail: michelle.dunwoody@btps.ca

Course Description

Math 10-3, 20-3, and 30-3 has been designed to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades and for direct entry into the workforce. Topics include algebra, geometry, measurement, number, statistics and probability.

Learning Outcomes

The topics that will be covered this semester are as follows:

Math 10-3	Math 20-3	Math 30-3
<ul style="list-style-type: none">• Measurement: Understanding of the Système International• Geometry: 2-D and 3-D objects, angles, polygons• Numbers: Unit pricing, exchange rates, income,• Algebra: Perimeter, area, Pythagoreans Theorem	<ul style="list-style-type: none">• Measurement: Metric and Imperial units• Geometry: Triangles, scaled diagrams, 2-D and 3-D objects,• Numbers: Numerical reasoning, budgeting and finances,• Algebra: volume, surface area, slope and rate of change, interest, and finances charges• Statistics: Creating and interpreting graphs	<ul style="list-style-type: none">• Measurement: Linear Relations, measuring (accuracy and precision)• Geometry: Triangles, quadrilaterals, and regular polygons• Numbers: Purchasing/leasing vehicles, small business• Algebra: Patterns, graphing, problem solving• Statistics: mean, median, mode, percentiles• Probability: Experimental, theoretical, and odds

Throughout the year, students will work together to reach the following goals:

1. To use mathematics confidently to solve problems.
2. To communicate and reason mathematically.
3. To appreciate and value mathematics.
4. To make connections between math and its applications.
5. To commit to lifelong learning.
6. To become mathematically literate adults, using mathematics to contribute to society.

As students acquire the specified outcomes, they will also be expected to use the

Resources

Workbook: Mathworks 10, 20, and 30
Handouts
Class Activities
Internet links

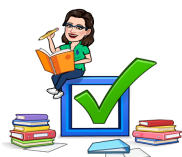
Scientific Calculator
Graph paper
Notebook/binder and looseleaf
Protractor
Ruler
Compass

Require Materials

Class Expectations

All students are expected to behave with respect, arrive on time for class, and be prepared to learn and work. Personal electronic devices (cell phones, iPods, mp3s, etc) are to remain out of sight unless being used to assist in instruction as per BTPS policy. Healthy food and drinks (no pop) can be brought to class, as long as no mess is left behind.

Should a student miss a class it is the parent's responsibility to notify myself or the office of the absence to avoid unexcused absences. Daily work covered in class will be added to my online Planbook. Should a student be absent from school, it is the students responsibility to check the online planbook to access the missed lesson(s) and assignments.



Homework Help

If someone is having difficulty understanding material, I strongly suggest that every effort is made early to come for extra help. This can be done by speaking to me to make an arrangement.

Assignment policy:

Ample class time will be made for students to complete assignments on time. Should a student find they need more time to complete an assignment, they are welcome to stay at lunch or after school to complete it. All assignments are due at the beginning of class the following day unless a deadline has been assigned.

Academic Integrity

As access to online resources become increasingly available it is important to foster academic integrity in students. To reduce the temptation of plagiarizing, students will be required to complete all assignments in class, without the use of a digital device, unless otherwise instructed.

Grading

Course Work	50%
• Assignments, projects, classwork	
Tests, Quizzes, Performance Assessments	20%
Midterm and Final Exam	30%

I have read the course outline and understand the expectations of this course.

Parent Signature

Student Signature

Parent(s) Name (Please Print)

Student Name (Please Print)